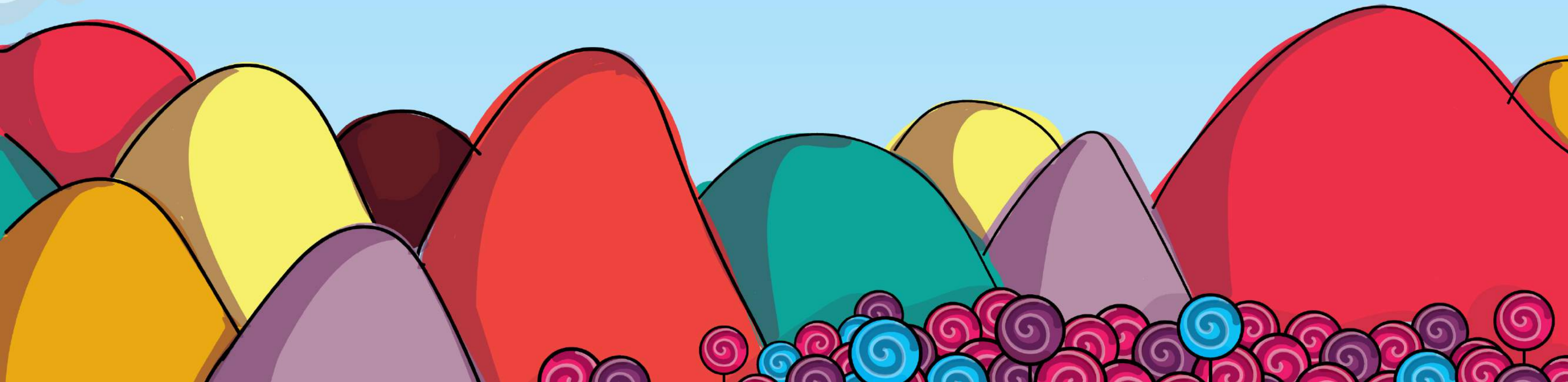# Adventures
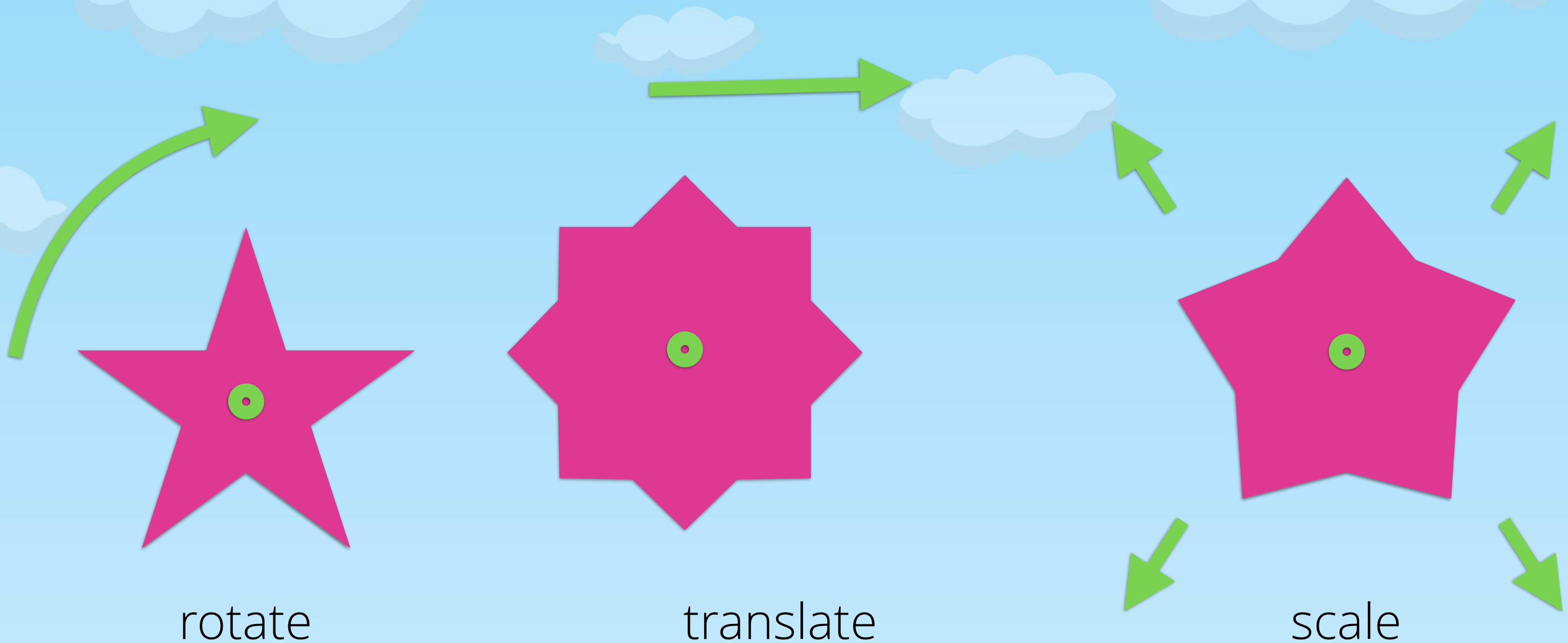
## in WEB ANIMATIONS

# Level 2 – Transforms

SECTION 1
## Transforming Rotate

# Transforms

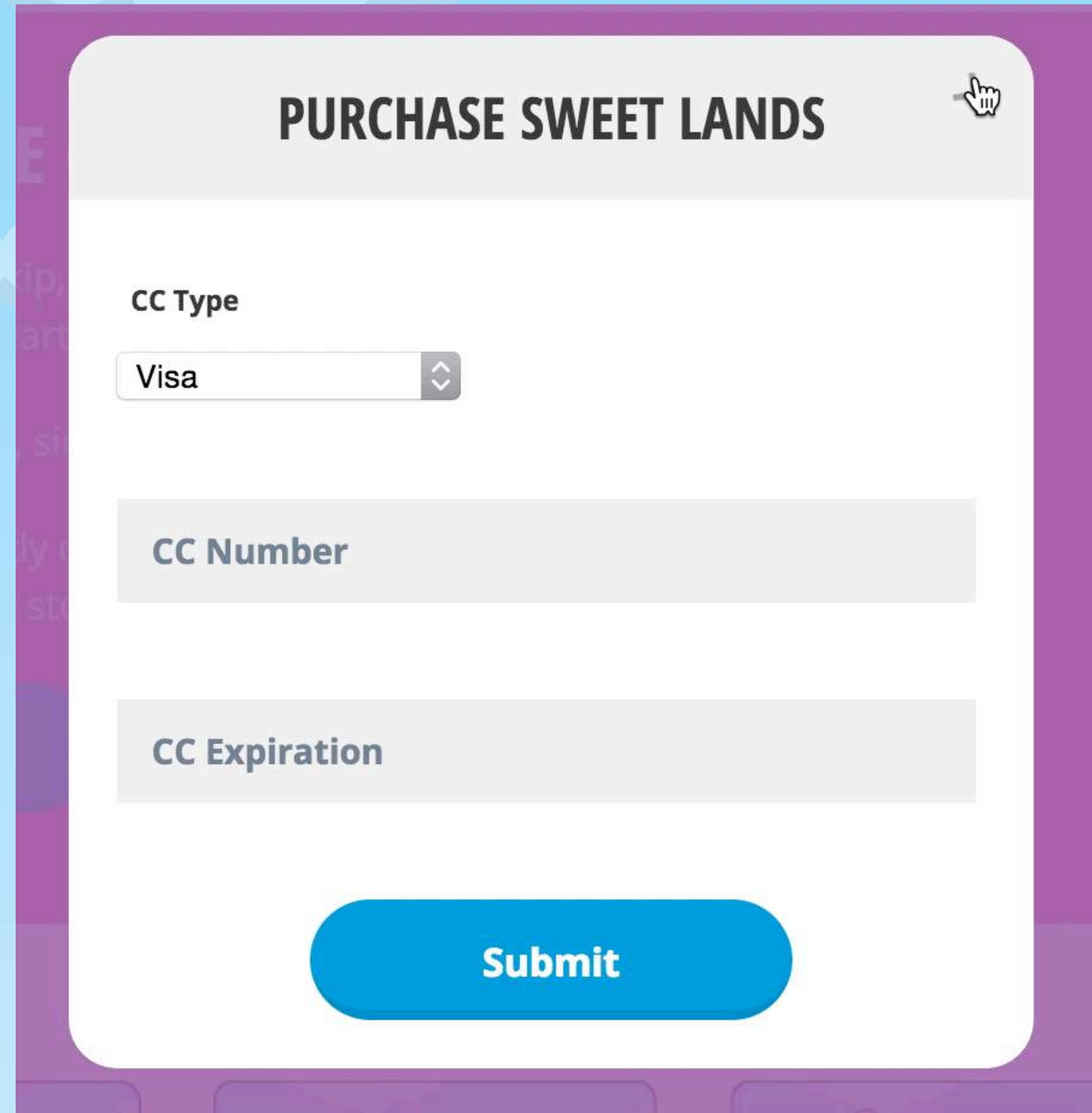CSS transforms let you modify elements in their coordinate space. They can be rotated, translated, scaled, and skewed.

rotate

translate

scale

# Rotating the Modal Close Icon

**initial style for the X**

**CSS**

```css
.modal-close {
    font-size: 200%;
    right: 15px;
    top: 0;
    position: absolute;
}
```

## PURCHASE SWEET LANDS

**CC Type**

Visa

**CC Number**

**CC Expiration**

**Submit**

# Using Transform to Rotate

```css
.modal-close {
    font-size: 200%;
    right: 15px;
    top: 0;
    position: absolute;
}

.modal-close:hover {
    transform: rotate(360deg);
}
```

CSS

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The transformation is jumping from the start state immediately to the end state.

**Rotate takes any number value with "deg" or "turn" unit suffix.**

```css
    transform: rotate(1turn);
```

# Transitioning the Transform Rotate

```css
.modal-close {
  font-size: 200%;
  right: 15px;
  top: 0;
  position: absolute;
  transition: transform 4s;
}

.modal-close:hover {
  transform: rotate(360deg);
}
```

Adding `transition: transform` will allow us to see the icon changing state over time:

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# Changing the Timing Function

```
transition: transform 4s;
```

**Default timing function is ease.**

**Ease Timing Function**

**PURCHASE SWEET LANDS** ✕

```
transition: transform 4s ease-out;
```

*See the subtle change a different timing function like ease-out can make?*

**Ease-out Timing Function**

**PURCHASE SWEET LANDS** ✕

Timing Functions

```
ease
linear
ease-in
ease-out
initial
inherit
ease-in-out
cubic-bezier
```